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SUPPLEMENTARY INFORMATION

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Multifunctional oncolytic nanoparticles deliver self-replicating IL-12 RNA to eliminate established tumors and prime systemic immunity

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DOTAP-LNP	DOTAP	DSPC	Cholesterol	DSPE-PEG2000
Molar ratio	40	10	48	2
TT3-LNP	TT3	DOPE	Cholesterol	C14-PEG2000
Molar ratio	20	30	40	0.75

Supplementary Table 1. Lipid composition of DOTAP nanoparticles and TT3 nanoparticles. For encapsulation of replicon RNA, the mass ratio between RNA and DOTAP lipids was 1:16.94, and between RNA and TT3 lipids was 1:10.